

SLIME-CONTROLLING AGENT COMPOSITION AND SLIME CONTROL

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Applicant: HAKUTO CO LTD
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Abstract of JP2000086413

PROBLEM TO BE SOLVED: To obtain a slime-controlling agent composition capable of exerting a high effect under any of acid, neutral and alkaline paper-making conditions by including a specific hydantoin-based compound, dibromo-nitrilopropionamide, and a specific isophthalonitrile-based compound.

SOLUTION: This composition is obtained by including as an active ingredient (A) a hydantoin-based compound (pref., e.g. 1-bromo-3-chloro-5,5- dimethylhydantoin) of formula I (R1 and R2 are each Cl or Br; and R3 and R4 are each H or an 1-12C alkyl), (B) 2,2-dibromo-3-nitrilopropionamide, and (C) an isophthalonitrile-based compound (e.g. 2,4,5,6-tetrachloroisophthalonitrile) of formula II (R5 to R8 are each F or Cl). Preferably, the weight ratio of A to (B+C) is (1 to 0.05) to (1 to 20) and the weight ratio of B to C is (1 to 0.1) to (1 to 4).

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22. Synergistic compositions and method for control of slime with hydantoins, bromopropionamide, and isophthalonitriles in paper pulp industry

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CAS SUBSECTION- 002

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NO-ABSTRACT

IDENTIFIER(S)- slime control hydantoin propionamide isophthalonitrile paper; synergistic slime control hydantoin propionamide isophthalonitrile

CAS REGISTRY/EC NUMBER(S)- 10222-01-2 HEADING PARENT- Acetamide --2,2-dibromo-2-cyano-

CAS REGISTRY/EC NUMBER(S)- 261946-44-5 HEADING PARENT- Acetamide --2,2-dibromo-2-cyano-

CAS REGISTRY/EC NUMBER(S)- 261946-44-5 HEADING PARENT- 1,3-Benzenedicarbonitrile --5-chloro-2,4,6-trifluoro-

CAS REGISTRY/EC NUMBER(S)- 261946-44-5 HEADING PARENT- 2,4-Imidazolidinedione --1-bromo-3-chloro-5,5-dimethyl-

CAS REGISTRY/EC NUMBER(S)- 261946-45-6 HEADING PARENT- Acetamide --2,2-dibromo-2-cyano-

CAS REGISTRY/EC NUMBER(S)- 261946-45-6 HEADING PARENT- 1,3-Benzenedicarbonitrile --2,4,5,6-tetrachloro-

CAS REGISTRY/EC NUMBER(S)- 261946-45-6 HEADING PARENT- 2,4-Imidazolidinedione --1-bromo-3-chloro-5,5-dimethyl-

CAS REGISTRY/EC NUMBER(S)- 261946-46-7 HEADING PARENT- Acetamide --2,2-

dibromo-2-cyano-
CAS REGISTRY/EC NUMBER(S)- 261946-46-7 HEADING PARENT- 1,3-
 Benzenedicarbonitrile --5-chloro-2,4,6-trifluoro-
CAS REGISTRY/EC NUMBER(S)- 261946-46-7 HEADING PARENT- 2,4-
 Imidazolidinedione --1,3-dichloro-5,5-dimethyl-
CAS REGISTRY/EC NUMBER(S)- 261946-47-8 HEADING PARENT- Acetamide --2,2-
 dibromo-2-cyano-
CAS REGISTRY/EC NUMBER(S)- 261946-47-8 HEADING PARENT- 1,3-
 Benzenedicarbonitrile --2,4,5,6-tetrachloro-
CAS REGISTRY/EC NUMBER(S)- 261946-47-8 HEADING PARENT- 2,4-
 Imidazolidinedione --1,3-dichloro-5,5-dimethyl-
CAS REGISTRY/EC NUMBER(S)- 261946-48-9 HEADING PARENT- Acetamide --2,2-
 dibromo-2-cyano-
CAS REGISTRY/EC NUMBER(S)- 261946-48-9 HEADING PARENT- 1,3-
 Benzenedicarbonitrile --5-chloro-2,4,6-trifluoro-
CAS REGISTRY/EC NUMBER(S)- 261946-48-9 HEADING PARENT- 2,4-
 Imidazolidinedione --1,3-dibromo-5,5-dimethyl-
CAS REGISTRY/EC NUMBER(S)- 261946-49-0 HEADING PARENT- Acetamide --2,2-
 dibromo-2-cyano-
CAS REGISTRY/EC NUMBER(S)- 261946-49-0 HEADING PARENT- 1,3-
 Benzenedicarbonitrile --2,4,5,6-tetrachloro-
CAS REGISTRY/EC NUMBER(S)- 261946-49-0 HEADING PARENT- 2,4-
 Imidazolidinedione --1,3-dibromo-5,5-dimethyl-
